

Message

From: Brad Gentry [bgentry@iwmconsult.com]
Sent: 10/25/2018 11:58:00 AM
To: Bury, Carolyn [bury.carolyn@epa.gov]
CC: Sundar, Bhooma [sundar.bhooma@epa.gov]; Neal, Conor [Neal.Conor@epa.gov]; Joe Bianchi (jbian@amphenol-aao.com) [jbian@amphenol-aao.com]
Subject: RE: smoke/pressure tests
Attachments: Smoke Test - Photo Log - July 2017 example.pdf

Carolyn

Good morning. Please find attached a few pictures from a smoke test we historically completed at a home in Indianapolis. Below is also a quick write up of the testing process.

Smoke Testing

Based upon the results of the sewer vapor sampling activities, IWM Consulting contracted with representatives from B & W Plumbing and Heating Company, Inc. in order to conduct smoke tests on four (4) residential properties which previously exhibited TCE concentrations in excess of the RCG Residential Indoor Air VESL. The objective of the smoke test was to introduce compressed air (infused with a white smoke exhibiting a citrus odor) through the plumbing vents located on the roof of the residences in order to verify that the plumbing drain lines were tight and that no vapors were leaking into the residences via vapors migrating back into the residences from the sanitary sewer mains located in the project area. If feasible, the other plumbing vents were capped and individual sanitary sewer laterals (via the sanitary sewer cleanouts) were capped with an inflatable balloon in order to create a back pressure within the plumbing drain lines. The tests were completed for a minimum of 20 minutes and all of the plumbing lines (bathrooms, sump pits, sewage pits, sinks, etc.) were inspected to see if smoke entered the house or if a strong citrus odor was present.

I hope this helps clarify your questions and please contact me if you need anything else. Two of the residences with the Study area are scheduled to be tested today.

Sincerely,

Bradley E. Gentry, LPG
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From: Brad Gentry
Sent: Tuesday, October 23, 2018 10:01 PM
To: Bury, Carolyn <bury.carolyn@epa.gov>
Cc: Sundar, Bhooma <sundar.bhooma@epa.gov>; Neal, Conor <Neal.Conor@epa.gov>
Subject: Re: smoke/pressure tests

Our approach is different than what is shown in the video. I do not believe I have a video but should have pictures and a write up describing the process. I will send you something tomorrow.

Thanks

Brad Gentry
Sent from my iPhone

On Oct 23, 2018, at 16:25, Bury, Carolyn <bury.carolyn@epa.gov> wrote:

So, is this the approach what you will be using?
Do you use an odor or smoke indicator inside the home?
Carolyn

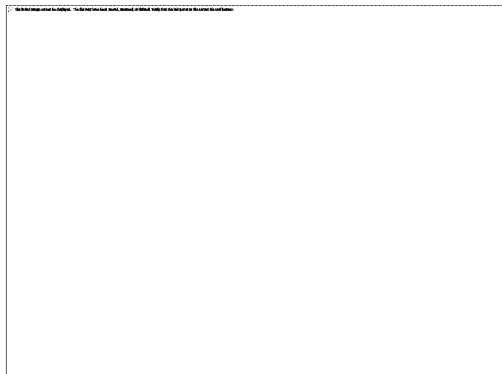
From: Sundar, Bhooma
Sent: Tuesday, October 23, 2018 2:40 PM
To: Bury, Carolyn <bury.carolyn@epa.gov>
Cc: Neal, Conor <Neal.Conor@epa.gov>
Subject: Re: smoke/pressure tests

https://www.youtube.com/watch?v=yB1GKX_eMw0

Carolyn,

Please ask Brad if they would be using a smoke bomb and a vacuum pump to push smoke through all the vents, like the one described in this video. If IWM uses a different set up please request a demo or description of the smoke test system.

Bhooma



Sewer smoke test on home

www.youtube.com

Just bought this new unit. Trying out on house. It works great!